

a controller coupled to the light emitting devices and the light detection devices, wherein the controller sequentially activates each linear array and activates the light detection devices positioned at corners of the frame opposed to the activated array of light emitting devices.

10. A touch input system of claim 9, wherein the controller sequentially activates each light emitting device within an activated array.

11. A touch input system of claim 9, wherein the light emitting devices are organic light emitting devices and

further comprising a light transmissive prism positioned along each array of light emitting devices such that light emitted from the light emitting devices is directed across the touch input area towards opposed light detection devices.

12. A touch input system of claim 9, wherein the activated light detection devices detect a touch within a quadrant of the touch input area.

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